



# भारत का राजपत्र

## The Gazette of India

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6/103

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## [PART III—SECTION 2]

[पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]

[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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## PATENTS AND DESIGNS

Kolkata, the 25th May 2002

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Patent Office Branch.  
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443, Anna Salai, Teynampet,  
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Telegraphic Address "PATENTOFIS"

Phone No. (044) 431 4324/4325/4326.

Fax No. (044) 431 4750/4751.

Patent Office (Head Office),  
Nizam Palace, 2nd M.S.O. Building,  
5th, 6th & 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
KOLKATA-700 020.

Rest of India.

Telegraphic Address "PATENTS"

Phone No. (033) 247 4401, 247 4402, 247 4403.

Fax No. (033) 247 3851, (033) 240 1353.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 as amended by the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by The Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

**Fees :** The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

पेटेंट कार्यालय  
एकस्व तथा अभिकल्प  
कोलकाता, दिनांक 25 मई 2002

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:—

पेटेंट कार्यालय शाखा,  
टोड़ी इस्टेट, तीसरा तल,  
सन मिल कम्पार्टमेंट,  
लौआर परेल (वेस्ट),  
मुम्बई - 400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश,  
गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, दमन तथा दीव,  
दादर और नगर हवेली।

तार पता - "पेटेंटोफिस"  
फोन - (022) 492 4058, 496 1370, 490 3684.  
फैक्स - (022) 490 3852.

पेटेंट कार्यालय शाखा,  
डब्ल्यू-5, वेस्ट पटेल नगर,  
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश, दिल्ली तथा उत्तराञ्चल राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटोफिक"

फोन - (011) 587 1255, 587 1256, 587 1257,  
587 1258, 587 7245  
फैक्स - (011) 587 6209, 587 2532.

पेटेंट कार्यालय शाखा,  
गुणा कम्प्लेक्स, छठा तल, एनेक्स-II,  
443, अन्नासलाई, तेनामपेट,  
चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पांडिचेरी राज्य क्षेत्र एवं संघ  
शासित क्षेत्र, लक्ष्मीपैट्टनपुरम्।

तार पता - "पेटेंटोफिस"  
फोन - (044) 431 4324/4325/4326.  
फैक्स - (044) 431 4750/4751.

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतालीय कार्यालय  
भवन, 5वा, 6ठा व 7वा तल,  
234/4, आर्थार्थ जगदीश बोस मार्ग,  
कोलकाता - 700 020।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"  
फोन - (033) 247 4401, 247 4402, 247 4403.  
फैक्स - (033) 247 3851, (033) 240 1353.

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

**शुल्क :** शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है।

**APPLICATION FOR THE PATENT FILED AT THE  
HEAD OFFICE**

234/4, ACHARYA JAGDISH BOSE Road, Kolkata-  
700020

The dates shown in the crescent brackets are the dates claimed under Section 135, under Patent Act, 1970.

5.3.2002

123/Cal/2002 : Thomson Licensing, S.A., Reducing Sparkle Artifacts with low Brightness Filtering.  
(Convention No. 09/803, 485 filed on 9.3.01 in U.S.A.).

124/Cal/2002 : Thomson Licensing, S.A., Reducing Sparkle Artifacts with low Brightness Slew Rate Limiting.  
(Convention No. 09/803, 248 filed on 9.3.01 in U.S.A.).

125/Cal/2002 : Texaco Development Corporation, A Gasification Process for Ammonia/Urea Production Using a Natural Gas.  
(Convention No. 09/850,480 filed on 7.5.2001 in USA).

126/Cal/2002 : Liu Ming-HWA, Chen Brian D.F. and Chang Cheng Paug, Device and Method for Absorbing and Radiating Heat in very Small Space by Alternatively Pushing two Fluids.

6.3.2002

127/Cal/2002 : Ishikawajima-Harima Heavy Industries Company Limited & BHP Steel (JLA) Pty. Ltd. Apparatus for Casting Steel Strip.  
(Convention No. PN-1014 filed on 10.2.95 in AUSTRALIA).  
(Divided out of No. 230/Cal/96 antedated to 8.2.96).

7.3.2002

128/Cal/2002 : Jenkins, Stephen S. Tread Wheel Frame System.  
(Convention No. 09/798,090 filed on 5.3.2001 in U.S.A.).

8.3.2002

129/Cal/2002 : Naskar & Co., Gaseous Reduction DRI Unit/Pellets Sponge Reaction Test Unit.

130/Cal/2002 : Naskar & Co., Reducibility Test Apparatus.

131/Cal/2002 : Dr. Tapan Kumar Chatterjee, Invention of a unique Process for Preparation of Anti-

Inflammatory Drug (Panekure) from Indigenous Herbs.

132/Cal/2002 : Salil Kumar Bhattacharya, A Method of Improvement of Jute Yarn Sizing by the Application of Modified Tamarind Kernel Powder.

11.3.2002

133/Cal/2002 : Johnson & Johnson Consumer Companies, Inc. Method for Measuring Changes in Portions of a Human Body.  
(Convention No. 60/275, 733 filed on 14.3.01 and 60/306, 776 filed on 20.7.2001 in U.S.A.).

134/Cal/2002 : Oda Hydeyuki, And Doi Kenji, Suspension Insulator.  
(Convention No. 2001-105,396 filed on 4.4.2001 in JAPAN).

135/Cal/2002 : Steel Authority of India Limited, An Improved Loop Sensor for Measuring the Looper Angle for the Purpose of Strip Tension Regulation in a Hot Strip Mill.

12.3.2002

136/Cal/2002 : Government of Republic of Singapore, An in Vitro Activity Assay, for Human Hepatitis B Virus (HBV) DNA Polymerase, the use of such an Assay to Assay Activity of Various Serum Samples and to Screen for Inhibitors of the HBV DNA POLYMERASE AND A METHOD OF PRODUCING HBV DNA Polymerase.  
(Divided out of No. 2032/Cal/96 antedated to 17.11.98).

137/Cal/2002 : Johnson & Johnson Inc. Sanitary Absorbent Article Having a Tear-Resistant Flange Seal.  
(Convention No. 09/823, 040 filed on 30.3.2001 in USA).

138/Cal/2002 : MCNeil-PPC, Inc. Dynamic Fitting Compound Sanitary Napkin.  
(Convention No. 09/823, 044 filed on 30.3.2001 in USA).

139/Cal/2002 : Leinemann GMBH & Co. Flame Barrier Arrangement.  
(Convention No. 10112957.2 filed on 17.3.2001 in GERMANY).

140/Cal/2002 : Copeland Corporation, Digital Scroll Condensing Unit Controller.  
(Convention No. 09/811, 092 filed on 16.3.2001 in USA).

141/Cal/2002 : Hewlett-Packard Company, Internet Print Device Font Distribution Method and Web Site.

- (Convention No. 09/815,647 filed on 23.3.2001 in USA).
- 13.3.2002
- 142/Cal/2002 : Kabushiki Kaisha Moric. Permanent Magnet Type Three-Phase AC Rotary Electric Machine.  
(Convention No. 2001-073417 filed on 15.3.2001 in JAPAN and 09/683997 filed on 11.3.2002 in USA).
- 15.3.2002
- 143/Cal/2002 : Nissin Kogyo Kabushiki Kaisha. Method of Deoxidation Casting and Deoxidation Casting Machine.  
(Convention Nos. 2001-74074, 2001-74091 and 2002-57063 filed on 15.3.2001, 15.3.2001 and 4.3.2002 respectively in JAPAN).
- 18.3.2002
- 144/Cal/2002 : M/s. Naskar & Co. Coke Reactivity Index (CRI/CSR Unit).
- 145/Cal/2002 : M/s. Naskar & Co. Thermal Conductivity Tester.
- 146/Cal/2002 : M/s. Naskar & Co. Reduction Under Load Furnace.
- 147/Cal/2002 : Johnson Electrics S.A., Brush Assembly.  
(Convention No. 0107152.1 filed on 22.3.2001 in U.K.).
- 148/Cal/2002 : Chi Cheng-Hsian. Method for Making a Footwear Having a Midsole Surrounded by a Cover Sheet.
- 149/Cal/2002 : Copeland Corporation. Compressor Diagnostic System.  
(Convention No. 09/818,271 filed on 27.3.2001 in GERMANY).
- 19.3.2002
- 150/Cal/2002 : LG Electronics Inc. Apparatus and Method for Intercepting Leakage of Microwave.  
(Convention No. 60711/2001 filed on 28.9.2001 in Republic of Korea and 73475/2001 filed on 23.11.2001 in Republic of Korea).
- 151/Cal/2002 : Chongqing Lifan & Hongda Industry (Group) Co. Ltd. Electronic Fuel Injection System for Motors.  
(Convention No. 01103877.2 filed on 19.3.2001 in Republic of China).
- 152/Cal/2002 : Dainippon Ink and Chemicals Inc. Pigment, Method for Producing Pigment, Pigment Dispersion, and Electrostatic Image Developing Powder Toner.
- (Convention No. 2001-289165 filed on 21.9.2001 in JAPAN).
- 153/Cal/2002 : Novibra GMBH., Bobbin Tube Support for Spinning or Twisting Spindles.  
(Convention No. 10116396.7 filed on 29.3.01 in GERMANY).
- 154/Cal/2002 : Eaton Corporation. Control for Transmission System Utilizing Centrifugal Clutch.  
(Convention No. 814,494 filed on 21.3.2001 in USA).
- 20.3.2002
- 155/Cal/2002 : Steel Authority of India Limited. System for Online Coil Weight Estimation and Auto Slow Down Mechanism for Skin Pass Mill.
- 156/Cal/2002 : Steel Authority of India Limited, and Balmer Lawrie & Co. Ltd. Formulation of Regenerative Type Synthetic Cold Rolling Oil and Method of its Preparation.
- 157/Cal/2002 : Sanyo Electric Co. Ltd. and Sanyo Electric Air Conditioning Co. Ltd. Controlling Method of Absorption Refrigerator.  
(Convention No. 2001-093352 filed on 28.3.2001 in JAPAN).
- 158/Cal/2002 : Eveready Industries India Ltd., Flashlight.
- 159/Cal/2002 : Ducati Energia S.P.A., Method and Apparatus for Controlling Harmful Emissions from Internal Combustion Engines.  
(Convention No. MI-2001-A 000701 filed on 2.4.2001 in ITALY).
- 160/Cal/2002 : Premier Irrigation Equipment Limited. A Bayonet Coupling for Pipes.

#### ALTERATION OF DATE UNDER SECTION 16

187599 Antedated to 21st May 1996  
(1448/Cal/98)

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

### स्वीकृत संपूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की सिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रलूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रलूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा वित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शास्त्र कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा वित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शास्त्र कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 69-A & D.

187581

Int. Cl.<sup>4</sup> : H 01 H 9/00, 11/12.

### ELECTRICAL PROTECTION APPARATUS.

Applicant : SCHNEIDER ELECTRIC S.A., A FRENCH NATIONALITY, OF 40, AVENUE ANDRE MORIZET-F-92100, BOULOGNE BILLANCOURT, FRANCE.

Inventor(s) : 1. FRANCOIS REYNAUD, (FRANCE) & 2. BERNARD LEPRETRE, (FRANCE).

Application No. 1185/Mas/94 dated 29th November, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

An electrical protection apparatus comprising a circuit breaker (12, 102) and a relay (14, 104), the said circuit

breaker (12, 102) comprising a first interrupting switch circuit (16) with stationary and movable contacts (20, 22, 120, 122, 220, 222), a mechanism (43) for actuating said movable contact (22) and controlled by an electromagnetic trip device (36, 136) with operating coil (34, 134) and by a thermal trip device (26, 126), a pair of first and second arc guiding horns (30, 40, 130, 140) associated with a switching electrode (38, 138, 238), located near the contacts of the first switch circuit (16), an arc extinguishing chamber (45, 145) in the trip devices circuit, an input terminal (28, 128, 228), and an output terminal (32, 132, 232); the said relay (14, 104) having a second switch circuit (18, 118, 218) electrically connected in series with said first switch circuit when the latter is in closed state and automatically shunted by switching of the arc onto the electrode (38, 138, 238) when the mechanism (43) trips following a fault; wherein the said relay (14, 104) comprises a first connection strip (50, 150, 250) to the stationary contact (20, 120, 220) and a second connection strip (52, 152, 252) to the second guiding horn (40, 140, 240) and switching electrode (38, 138, 238), the first guiding horn (30, 130, 230) is connected with the movable contact (22, 122, 222) to the input terminal (28, 128, 228) and an insulating gap (42) is located between the stationary contact (20, 120, 220) and the switching electrode (38, 138, 238).

(Compl. Specn. : 14 Pages.

Drg Sheets : 7)

Ind. Cl. : 128-D.

187582

Int. Cl.<sup>4</sup> : H 04 R 25/02

### A HEARING AID AND A METHOD OF MANUFACTURING THE SAME.

Applicant : ASCOM AUDIOSYS AG., A SWISS COMPANY, OF BERNSTRASSE 41, 3175, FLAMATT, SWITZERLAND.

Inventor(s) : 1. WALTER AEBI, (SWITZERLAND), 2. ELMAR MOCK, (SWITZERLAND), 3. GREGOIRE ITEN, (SWITZERLAND), 4. ANDREAS S. WETTER, (SWITZERLAND), 5. MARCEL AESCHLIMANN, (SWITZERLAND) & 6. JURG CLAVADETSCHER, (SWITZERLAND).

Application No. 1193/Mas/94 dated December 01, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

A hearing aid having an outer surface in the shape of an irregular conical frustum having the shape conforming to a wearer's auditory canal, the said hearing aid comprising a skeleton having an outer support element forming an outer end face of the frustum, an inner support element forming an inner end face of said frustum and a connecting element interconnecting and maintaining said outer and inner support elements in spaced relationship, said outer support element having a pouring opening; an electronic hearing

(U.S.A.), 7. LESLIE WARREN COLLIER IV, (U.S.A.), 8. NANCY DONALDSON KOLLIN, (U.S.A.) & 9. DOUGLAS BRYAN COLE, (U.S.A.).

Application No. 1214/Mas/94 dated December 06, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 15 Claims

A liquid absorbing liner material comprising a facing layer (40), a plurality of spaced-apart peaks (48) across the surface of the facing layer, said peaks being spaced from one another by channels (51), and a liquid absorbing material (50) disposed within said peaks for receiving liquids.

(Compl. Specn. : 35 Pages.

Drng. Sheets : 5

Ind. Cl. : 32-E.

187588

Int. Cl.<sup>4</sup> : C 08 G 61/00.

### "A PROCESS FOR THE PREPARATION OF POLYESTERS."

Applicant : AKZO NOBEL NV., OF VOLPERWEG 76, 6824 BM, ARNHEM, NETHERLANDS, A DUTCH COMPANY.

Inventor(s) : 1. MARTL DR. MICHAEL, (AUSTRIA), 2. MEZGER DR. THOMAS, (GERMANY), 3. OBERLEIN, DR. GERRIET, (GERMANY), 4. HAERLAND, DR. KLAUS, (GERMANY), 5. BOHRINGER, DR. BERTRAM, (GERMANY) & 6. BERGER, DR. ULRICH, (GERMANY).

Application No. 1216/Mas/94 dated 6th December, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 16 Claims

A process for the preparation of polyesters by polycondensation of polyester forming starting materials prepared by known transesterification of carboxylic acid esters and/or known esterification of dicarboxylic acids with excess of dialcohols, said polycondensation being carried out in the presence of a titanium based poly-condensation catalyst composition consisting of titanium dioxide/silicon dioxide co-precipitation having a composition of  $TiO_2 : SiO_2 = 90 : 10$  to  $20 : 80$  mol/mol under known polycondensation conditions and recovering the polyesters from the reaction stream in a known manner.

(Compl. Specn. : 29 Pages.

Drng. Sheets : Nil)

Ind. Cl. : 86-B.

187589

Int. Cl.<sup>4</sup> : A 47 C 3/00.

### A SWING CHAIR.

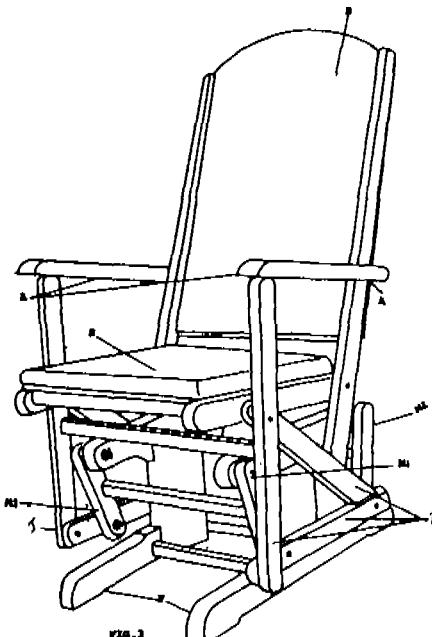
Applicant & Inventor : REJI SEBASTIAN, 49/1880 ELAMAKKARA ROAD, EDAPALLY, COCHIN-682024, KERALA, INDIA, INDIAN CITIZEN.

Application No. 2/Mus/95 dated 02nd January, 1995

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 3 Claims

A swing chair comprising a seat and backrest attached to each other; a stationary base framework, disposed below the seat, for resting on the ground and serving as a base support for the chair; a truss connected to the seat; a first pair of members pivotably connected to the framework and to the truss at the front side of the seat; a second pair of members pivotably connected to the frame work and to the truss at the rear side of the seat, the movement of the seat to and fro thus constraining the seat to pivotably swing backwards and forward.



(Compl. Specn. : 8 Pages.

Drng Sheets : 8)

Ind. Cl. : 40-B & 140-B<sub>-2</sub>

187590

Int. Cl.<sup>4</sup> : C 10 G 1/00.

### A PROCESS FOR THE PREPARATION OF FCC CATALYST FOR USE IN PETROLEUM REFINING.

Applicant : 1. INDIAN INSTITUTE OF TECHNOLOGY, IIT P.O., CHENNAI-600 036, TAMIL NADU, INDIA, AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT; AND 2. MADRAS REFINERIES LIMITED, 552, ANNA SALAI, CHENNAI-600 018, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor(s) : 1. BALASUBRAMANIAN VISWANATHAN, (INDIA), 2. CHANDRASEKHARA PILLAI

The Classification given below in respect of each specification are according to Indian Classification and International Classification systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

### स्थीकृत संपूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से बार (4) महीने या अग्रिम ऐसी अवधि जो उक्त बार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्ताव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा विप्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा विप्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 69-A & D.

187581

Int. Cl.<sup>4</sup> : H 01 H 9/00, 11/12.

### ELECTRICAL PROTECTION APPARATUS.

Applicant : SCHNEIDER ELECTRIC S.A., A FRENCH NATIONALITY, OF 40, AVENUE ANDRE MORIZET-F-92100, BOULOGNE BILLANCOURT, FRANCE.

Inventor(s) : 1. FRANCOIS REYNAUD, (FRANCE) & 2. BERNARD LEPRETRE, (FRANCE).

Application No. 1185/Mas/94 dated 29th November, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

An electrical protection apparatus comprising a circuit breaker (12, 102) and a relay (14, 104), the said circuit

breaker (12, 102) comprising a first interrupting switch circuit (16) with stationary and movable contacts (20, 22, 120, 122, 220, 222), a mechanism (43) for actuating said movable contact (22) and controlled by an electromagnetic trip device (36, 136) with operating coil (34, 134) and by a thermal trip device (26, 126), a pair of first and second arc guiding horns (30, 40; 130; 140) associated with a switching electrode (38, 138, 238), located near the contacts of the first switch circuit (16), an arc extinguishing chamber (45, 145) in the trip devices circuit, an input terminal (28, 128, 228), and an output terminal (32, 132, 232); the said relay (14, 104) having a second switch circuit (18, 118, 218) electrically connected in series with said first switch circuit when the latter is in closed state and automatically shunted by switching of the arc onto the electrode (38, 138, 238) when the mechanism (43) trips following a fault; wherein the said relay (14, 104) comprises a first connection strip (50, 150, 250) to the stationary contact (20, 120, 220) and a second connection strip (52, 152, 252) to the second guiding horn (40, 140, 240) and switching electrode (38, 138, 238), the first guiding horn (30, 130, 230) is connected with the movable contact (22, 122, 222) to the input terminal (28, 128, 228) and an insulating gap (42) is located between the stationary contact (20, 120, 220) and the switching electrode (38, 138, 238).

(Compl. Specn. : 14 Pages.

Drg Sheets : 7)

Ind. Cl. : 128-D.

187582

Int. Cl.<sup>4</sup> : H 04 R 25/02

### A HEARING AID AND A METHOD OF MANUFACTURING THE SAME.

Applicant : ASCOM AUDIOSYS AG., A SWISS COMPANY, OF BERNSTRASSE 41, 3175, FLAMATT, SWITZERLAND.

Inventor(s) : 1. WALTER AEBI, (SWITZERLAND), 2. ELMAR MOCK, (SWITZERLAND), 3. GREGOIRE ITEN, (SWITZERLAND), 4. ANDREAS S. WETTER, (SWITZERLAND), 5. MARCEL AESCHLIMANN, (SWITZERLAND) & 6. JURG CLAVADETSCHER, (SWITZERLAND).

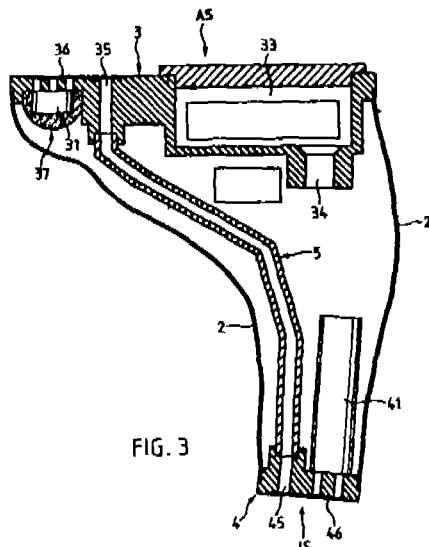
Application No. 1193/Mas/94 dated December 01, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

17 Claims

A hearing aid having an outer surface in the shape of an irregular conical frustum having the shape conforming to a wearer's auditory canal, the said hearing aid comprising a skeleton having an outer support element forming an outer end face of the frustum, an inner support element forming an inner end face of said frustum and a connecting element interconnecting and maintaining said outer and inner support elements in spaced relationship, said outer support element having a pouring opening; an electronic hearing

enhancement means being supported at least partly by said skeleton; and a tubular, microporous, elastic diaphragm being attached at opposite ends to said inner and outer support elements and forming an outer surface of said frustum; the said elastic diaphragm being made of a material permeable to gases, impermeable to liquids and oil repellent; said support elements, said connecting element and said diaphragm defining an interior volume within said diaphragm providing a molding cavity for receiving a hardenable material through said pouring opening.



(Compl. Specn. : 26 Pages.)

Drg. Sheets : 5

Ind. Cl. : 97-B.

187583

Int. Cl.<sup>4</sup> : H 05 B 7/10.**AN ELECTRIC FURNACE.**

Applicant : MANNESMANN AKTIENGESELLSCHAFT, MANNESMANUFER 2, 40213, DUSSELDORF, GERMANY, A GERMAN COMPANY.

Inventor(s) : 1. WALTER WEISCHEDEL, (GERMANY) & 2. JURGEN KUNZE, (GERMANY).

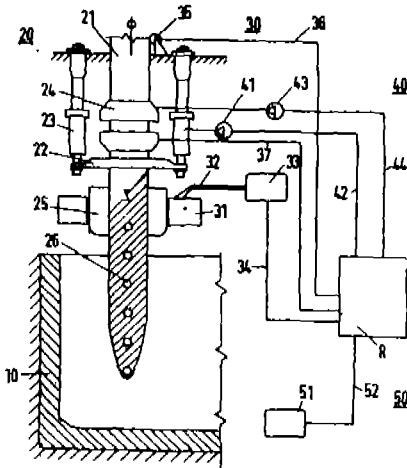
Application No. 1200/Mas/94 dated December 02, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

**7 Claims**

An electric furnace with arc or resistance heating comprising a furnace vessel (10), an electrode support device (20) with which at least one electrode may be immersed into the furnace vessel, a measuring device (51, 52) for recording the lengths and movements of the electrode support device and/or the electrode, and a control device (40) to vertically move the electrode which is gripped by a clamping device characterized in that the electrode is provided with gas containers (26) located at defined intervals from one another and that a gas sampling device (31-33) is provided which is located above the electric furnace vessel

(10) near the electrode (21) and which transfers measurement data to a computer (R), which has a control function over the drive (41) of the electrode support device (20).



(Compl. Specn. : 16 Pages.)

Drg. Sheets : 2)

Ind. Cl. : 33-A.

187584

Int. Cl.<sup>4</sup> : B 22 D 35/00, 39/00.**A DEVICE FOR CONTINUOUSLY CASTING A METAL STRIP.**

Applicant : MANNESMANN AKTIENGESELLSCHAFT, MANNESMANUFER 2, 40213 DUSSELDORF, GERMANY.

Inventor(s) : 1. ULRICH URLAU, (GERMANY), 2. WOLFGANG REICHELT, (GERMANY), 3. EWALD FEUERSTACKE (GERMANY) & 4. HELMUT SCHLECHTRIEM (GERMANY).

Application No. 1205/Mas/94 dated December 05, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

**7 Claims**

A device for continuously casting a metal strip, having dimensions close to its final dimensions, said device having a conveyor belt and a metal holding vessel consisting of a main chamber and a pouring chamber with a shut-off element closing the access to the casting nozzle, characterized in that the casting nozzle (14) is inclined at about 45° and in the region of the mount (15) is configured in a trumpet-like manner on the inside (16) opposite the main chamber (11) and in that a shut-off element which can be opened to form a slit is provided near the mount (15) of the nozzle (14).

(Compl. Specn. : 9 Pages.)

Drg. Sheets : 4)

Ind. Cl. : 206-E.

187585

Int. Cl.<sup>4</sup> : H 04 M 11/00.**A SIGNALLING SYSTEM FOR BROADBAND COMMUNICATIONS NETWORKS.**

Applicant : AT & T CORP., A CORPORATION OF THE STATE OF NEW YORK, OF 32, AVENUE OF THE AMERICAS, NEW YORK, NY-10013-2412, U.S.A.

Inventor(s) : 1. THOMAS F. LA PORTA, (U.S.A.) & 2. MALATHI VEERA RAGHAVAN, IN USA-INDIAN CITIZEN).

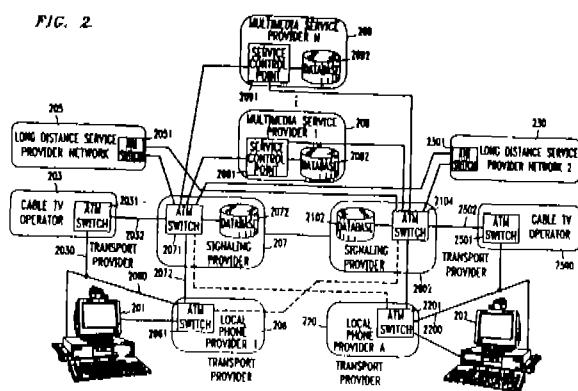
Application No. 1211/Mas/94 dated December 06, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 7 Claims

A signalling system for broadband communications networks comprising at least one signalling node (207) for communicating unprocessed signalling messages to a subscriber's device, said signalling node operating under the control of a signalling provider pre-selected by the subscriber; at least one communication service node (205) for providing at least one communication service to the subscriber's device upon request from the signalling node, said service node operating under the control of a service provider selected by the subscriber; and a transport system (206) for delivering (a) signalling messages from the at least one signalling node to the subscriber's device, and (b) at least one communications service node to the subscriber's device, said transport system operating under the control of a transport provider logically independent of the signalling provider.

FIG. 2



(Compl. Specn. : 17 Pages.

Drgn. : 4 Sheets)

Ind. Cl. : 206-E.

187586

Int. Cl.<sup>4</sup> : H 04 M 3/42.

### A SYSTEM FOR DELIVERING A COMMUNICATION SERVICE.

Applicant : AT&T CORP., 32, AVENUE OF THE AMERICAS, NEW YORK, NY-10013-2412, USA, A CORPORATION OF THE STATE OF NEW YORK.

Inventor(s) : 1. THOMAS F. LA PORTA, (USA) & 2. MALATHI VEERA RAGHAVAN, (USA).

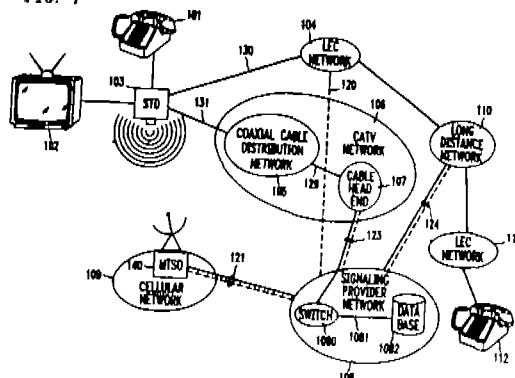
Application No. 1212/Mas/94 dated December 06, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 7 Claims

A system for delivering a communication service comprising a signalling device (103) for generating signalling information corresponding to a request for a communication service made through a communication device (101) coupled to said signalling device; a first communication network (106) which receives said signalling information generated by said signalling device through a first facility; said signalling device comprises a modulator for modulating the said signalling information and the first communication network comprising a demodulator for demodulating the modulated signalling information prior to the receipt by the first communication network and a computer system (108) in said first communication network for processing said signalling information to generate routing information and forwarding it through said signalling device to a second communication network (104) over a communication path having a second facility which is physically distinct from said first facility.

FIG. 1



(Compl. Specn. : 15 Pages.

Drgn. Sheets : 5)

Ref : 1211/MAS/94

Ind. Cl. : 128-A&G.

187587

Int. Cl.<sup>4</sup> : A 41 B 13/02.

### A LIQUID ADSORBING LINER MATERIAL.

Applicant : KIMBERLY-CLARK WORLDWIDE, INC., A U.S. COMPANY, 401, NORTH LAKE STREET, NEENAH, WISCONSIN 54956, U.S.A.

Inventor(s) : 1. MARY EVA GARVIE WEBER, (U.S.A.), 2. STANLEY MICHAEL GRYSKIEWICZ, (U.S.A.), 3. PAMELA JEAN MAYBERRY, (U.S.A.), 4. JAMES ARTHUR DAVIS, (U.S.A.), 5. MICHAEL TOD MORMAN, (U.S.A.), 6. GARY HOWARD MEITNER,

(U.S.A.), 7. LESLIE WARREN COLLIER IV, (U.S.A.), 8. NANCY DONALDSON KOLLIN, (U.S.A.) & 9. DOUGLAS BRYAN COLE, (U.S.A.).

Application No. 1214/Mas/94 dated December 06, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 15 Claims

A liquid absorbing liner material comprising a facing layer (40), a plurality of spaced-apart peaks (48) across the surface of the facing layer, said peaks being spaced from one another by channels (51), and a liquid absorbing material (50) disposed within said peaks for receiving liquids.

(Compl. Specn. : 35 Pages.

Drg. Sheets : 5)

Ind. Cl. : 32-E.

187588

Int. Cl.<sup>4</sup> : C 08 G 61/00.

#### "A PROCESS FOR THE PREPARATION OF POLYESTERS."

Applicant : AKZO NOBEL NV., OF VOLPERWEG 76, 6824 BM, ARNHEM, NETHERLANDS, A DUTCH COMPANY.

Inventor(s) : 1. MARTEL DR. MICHAEL, (AUSTRIA), 2. MEZGER DR. THOMAS, (GERMANY), 3. OBERLEIN, DR. GERRIET, (GERMANY), 4. HAERLAND, DR. KLAUS, (GERMANY), 5. BOHRINGER, DR. BERTRAM, (GERMANY) & 6. BERGER, DR. ULRICH, (GERMANY).

Application No. 1216/Mas/94 dated 6th December, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 16 Claims

A process for the preparation of polyesters by polycondensation of polyester forming starting materials prepared by known transesterification of carboxylic acid esters and/or known esterification of dicarboxylic acids with excess of dialcohols, said polycondensation being carried out in the presence of a titanium based poly-condensation catalyst composition consisting of titanium dioxide/silicon dioxide co-precipitation having a composition of  $TiO_2 : SiO_2 = 90 : 10$  to  $20 : 80$  mol/mol under known polycondensation conditions and recovering the polyesters from the reaction stream in a known manner.

(Compl. Specn. : 29 Pages.

Drg. Sheets : Nil)

Ind. Cl. : 86-B.

187589

Int. Cl.<sup>4</sup> : A 47 C 3/00.

A SWING CHAIR.

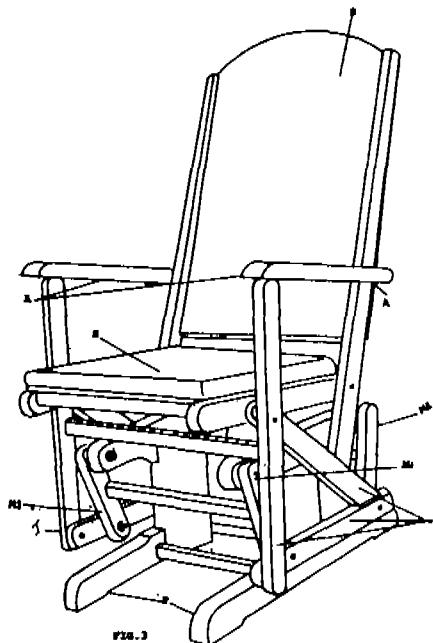
Applicant & Inventor : REJI SEBASTIAN, 49/1880 ELAMAKKARA ROAD, EDAPALLY, COCHIN-682024, KERALA, INDIA, INDIAN CITIZEN.

Application No. 2/Mus/95 dated 02nd January, 1995

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 3 Claims

A swing chair comprising a seat and backrest attached to each other; a stationary base framework, disposed below the seat, for resting on the ground and serving as a base support for the chair; a truss connected to the seat; a first pair of members pivotably connected to the framework and to the truss at the front side of the seat; a second pair of members pivotably connected to the frame work and to the truss at the rear side of the seat, the movement of the seat to and fro thus constraining the seat to pivotably swing backwards and forward.



(Compl. Specn. : 8 Pages.

Drg. Sheets : 8)

Ind. Cl. : 40-B & 140-B<sub>-2</sub>

187590

Int. Cl.<sup>4</sup> : C 10 G 1/00.

#### A PROCESS FOR THE PREPARATION OF FCC CATALYST FOR USE IN PETROLEUM REFINING.

Applicant : 1. INDIAN INSTITUTE OF TECHNOLOGY, IIT P.O., CHENNAI-600 036, TAMIL NADU, INDIA, AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT; AND 2. MADRAS REFINERIES LIMITED, 552, ANNA SALAI, CHENNAI-600 018, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor(s) : 1. BALASUBRAMANIAN VISWANATHAN, (INDIA), 2. CHANDRASEKHARA PILLAI

NARAYANA PILLAI, (INDIA), 3. CUNCHALA SUBRAMANYA SWAMY, (INDIA), 4. JOSEPH CHINGAMPARAMBIL KURIACOSE, (INDIA), 5. VENKATARAMAN SRINIVASAN, (INDIA) & 6. ARUNACHALAM MEENAKSI SUNDARAM, (INDIA).

Application No. 6/Mas/95 dated January 03, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 6 Claims

A process for the preparation of FCC catalyst for use in petroleum refining comprising the steps of preparing a slurry of 15% to 25% of Al<sub>2</sub>O<sub>3</sub> derived from pseudoboehmite in water; peptizing the slurry with water containing nitric acid; adding 40% to 70% of a clay of kaolinite structure, such as, raw BCK clay dispersed in water thereto; further adding 15% to 25% of CREY and 1% to 4% of silica derived from ammonium polysilicate; homogenizing the resulting slurry by vigorous mixing and spray drying the same thereafter.

(Compl. Specn. : 1 Pages.

Drgn. Sheet : Nil)

Ind. Cl. : 62 D.

187591

Int. Cl.<sup>4</sup> : D 06 B 17/2.

#### A METHOD OF MAKING ARTICLES OF CLOTHING HAVING WORN-OUT APPEARANCE, AND A MACHINE FOR CARRYING OUT THE METHOD.

Applicant TONELLO SNC. DI TONELLO O. & C. OF VIA DELLA FISICA, 1. 36030 SARCEDO (VI), ITALY.

Inventor : OSVALDO TONELLO.

Application No. 207/Cal/96 filed on 6.2.96.

(Convention No. VI-95-A-000020 on 6.2.95 in ITALY).

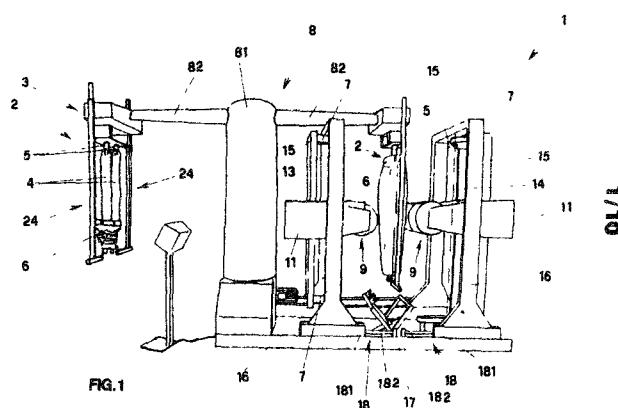
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Kolkata.

#### 15 Claims

A method of making articles of clothing having worn-out appearance, and in particular, said articles of clothing being made of denim materials, by subjecting the said articles of clothing to treatment steps, which comprise locating at least one article of clothing to be treated (6) on at least one supporting manikin (2), said manikin supporting said article of clothing so that the article of clothing will have the shape it acquires when worn by a person;

abrading the surfaces of the article of clothing by relative displacement between said article of clothing and at least one pair of rotating brushes (9, 90) in contact with said article of clothing, along the longitudinal direction of said article of clothing; removing the abraded/article of clothing from said manikin, characterised in that said abrading of the article of clothing is carried out by seining movement

(51, 520) of said rotating brushes in a plane transverse to said article of clothing.



(Compl. Specn. : 29 Pages.

Drgn. Sheets : 10)

Ind. Cl. : 126 D.

187592

Int. Cl.<sup>4</sup> : G 01 R 33/00, 29/00.

#### AN ELECTRICITY METER.

Applicant 1. HORSTMANN TIMERS & CONTROLS LIMITED OF NEWBRIDGE ROAD, BATH, BA1 3EE, UNITED KINGDOM & 2. JANEZ TRONTELJ UNIVERSITY OF LJUBLJANA, 25 TRZASKA, LJUBLJANA 61111, SLOVENIA.

Inventor : JANEZ TRONTELJ.

Application No. 429/Cal/96 filed on 11.3.96.

(Convention No.(s) 9505314.6 and 9505313.8 filed on 16.3.95 and 16.3.95 in U.K. respectively).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Kolkata

#### 15 Claims

An electricity meter operative to receive a mains AC signal and a first AC signal, the magnitude of which is dependent on electrical power through a conductor, comprising:

a first integrator circuit comprising a first capacitor (C1) connected to a first pulse generating means (6, 10) operative to provide pulses at a rate proportional to the magnitude of the first AC signal whilst the mains A.C. signal is positive; and

a second integrator circuit comprising a second capacitor (C2) connected to a second pulse generating means (8, 12) operative to provide further pulses at a rate proportional to the magnitude of the first A.C. signal whilst the mains A.C. signal is negative, the meter comprising accumulator means (20, 22) to determine from the pulses a first pulse count

(20) for the periods whilst the product of the first A.C. signal and the mains A.C. signal is positive and a second pulse count (22) for the periods whilst the product of the first A.C. signal and the mains A.C. signal is negative, the pulse counts providing a measure of energy conducted.

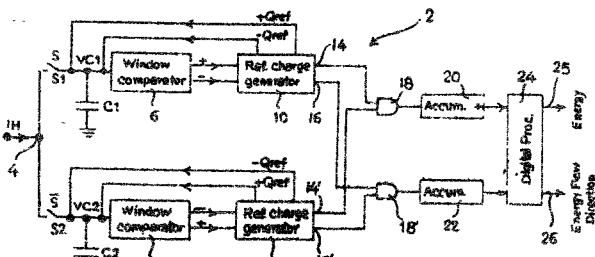


FIG. 3

(Compl. Specn. : 19 Pages.

Drng. Sheet : 2)

Ind. Cl. : 196 B1.

187593

Int. Cl.<sup>4</sup> : F 24 F. 1/02.

## ROOM AIR CONDITIONER.

Applicant : LG ELECTRONICS INC., OF 20, YOIDODONG, YONGDUNGPOGU.

Inventor : SEOUL, KOREA, BAEK SANG KYUN.

Application No. 501/Cal/96, filed on 20.3.96.

(Convention No. 95-05810 filed on 20.3.95 in REPUBLIC KOREA).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

## 6 Claims

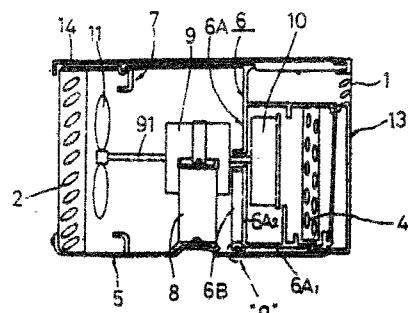
A room air conditioner including a base pan for supporting all operative components mounted thereon, first and second wall portions vertically mounted on the base pan 5 with predetermined intervals to define an evaporator part and a condenser part, a driving motor fixed to a motor mount assembled on the base pan and located between the first and second wall portions, a blower and a fan fixed to both ends of a shaft of the driving motor, a control unit assembled on the first wall portion for a user's control of a room temperature, a grill portion, assembled in front of the first wall portion, for drawing indoor air therethrough and expelling the conditioned air to a room, and a cabinet mounted on the base pan to cover all the operative components mounted on the base pan, characterized in that the first wall portion comprises:

a lower isolation wall portion which is molded and formed to provide a base wall assembled on the base pan, a lower barrier wall vertically joined on the base wall to provide a thermal isolation between the evaporator part and the condenser part, a scroll section formed on the lower barrier wall to guide circulation of air drawn by the blower and then conditioned by the evaporator back to the room, a

lower evaporator cover wall formed on the lower barrier wall to guide circulation of the conditioned air back to the room in cooperation with the scroll section, a condensate gutter formed on the base wall to gather condensate collected on the evaporator and to drain the gathered condensate out of the room air conditioner, and a lower control unit chamber formed on the base wall for installation of the control unit therein; and

an upper isolation wall portion which is molded and formed to provide an upper barrier wall mating with an upper part of the lower barrier wall of the lower isolation wall portion to provide thermal isolation between the evaporator part and the condenser part, an upper evaporator cover wall formed on the upper barrier wall to mate with the lower evaporator cover wall of the lower isolation wall portion to cooperate to guide the circulation of the conditioned air back to the room, a brace formed on the upper barrier wall to provide support between the first and second wall portions at predetermined intervals, and an upper control unit chamber formed on the upper barrier wall to mate with the lower control unit chamber of the lower isolation wall portion.

FIG. 3



(Compl. Specn. : 20 Pages.

Drng. Sheets : 7)

Ind. Cl. : 172 C1.

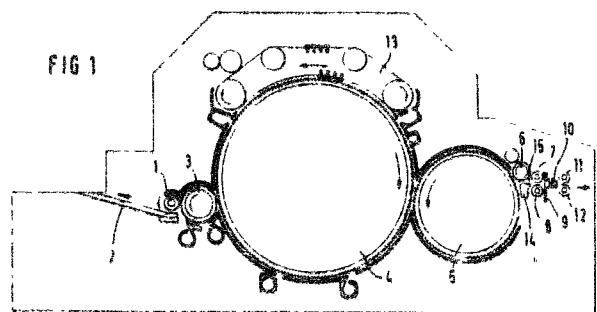
187594

Int. Cl.<sup>4</sup> : D 01 G 15/46.

AN APPARATUS ON A CARDING MACHINE FOR DETECTING UNWANTED PARTICLES, IN PARTICULAR WASTE BITS, NEPS, PIECES OF HUSK, BURLS.

Applicant : TRUTZSCHLER GMBH &amp; CO. KG. OF DUVENSTRASSE 82-92, D41199 MONCHENGLADBACH, GERMANY.

Inventor : LEIFELD FERDINAND.



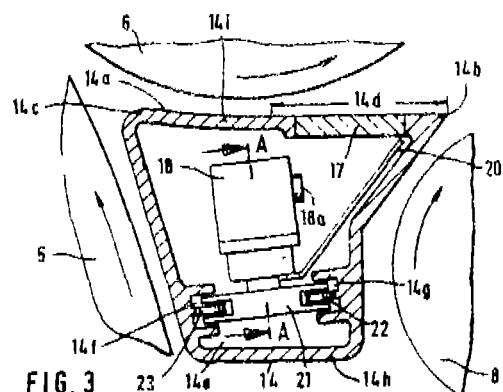
Application No. 632/Cal/96 filed on 8.4.96.

(Convention No.(s) P195140389 and 1960449 filed on 13.4.95 and 18.2.96 in GERMANY respectively).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

### 57 Claims

An apparatus on a carding machine for detecting unwanted particles, in particular waste bits, neps, pieces of husk, burls in the textile fibre material, such as cotton, synthetic fibres in which a measuring section is provided between the stripper roller (6) and the nip rollers (7, 8) for the fibre material, wherein a camera (18), such as a diode line camera is arranged at the measuring section to record the degree of contamination, and the apparatus comprises an illuminating device (19) and an image evaluating device (20) characterized in that the camera (18) is associated with the card web (16) running between the stripper roller (6) and nip roller (7, 8).



(Comp. Specn. : 23 Pages.

Drg. Sheets : 6)

Ind. Cl. : 164 A/164 C.

187595

Int. Cl.<sup>4</sup> : C 02 F 1/32.

### A UV-DEVICE FOR PURIFICATION OF A LIQUID OR A GAS, PREFERABLY WATER.

Applicant : AKTIEBOLAGET ELECTROLUX, OF LUXBACKEN 1, S-105 45 STOCKHOLM, SWEDEN

Inventor : HAEGERMARCK ANDERS.

Application No. 677/Cal/96 filed on 12.4.1996.

(Convention No. 9501467-6 filed on 21.4.95 in SWEDEN).

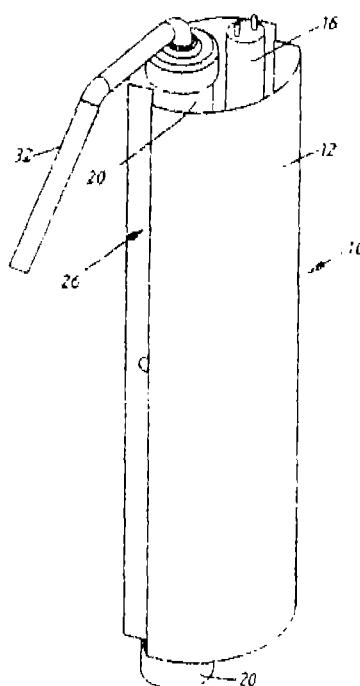
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

### 9 Claims

UV-device (10, 10') for purification of a liquid or a gas preferably water said UV-device (10; 10') comprising a UV reflector (12, 12') having at least partly an elliptical cross-

sectional shape, said UV-device (10; 10') which also has a light source (16; 16') located in the area of one focal axis of the ellipse, said source of light (16; 16') emitting UV-light, and a tube (20; 20') located in the area of the other focal axis of the ellipse, said tube (20; 20') being transparent for UV light, so that purification of the liquid or gas takes place during passage through said tube (20; 20') by radiation of the liquid or gas using light from the UV source of light (16; 16'), characterised in that the reflector (12; 12'), seen in cross-section, is provided with a folding/in indentation (24; 24') at the end portion of the reflector (12, 12') which is closest to the UV source of light (16; 16').

Fig. 1



(Compl. specn. : 10 Pages.

Drg. Sheets : 3)

Ind. Cl. : 140 A,

187596

Int. Cl. : C 10 M-125/22.

### FRICITION LINING MIXTURE FOR USE IN FRICITION LININGS.

Applicant : CHEMETALL GES. M.B.H., GAILITZ 195, A-9601 ARNOLDSTEIN, AUSTRIA.

Inventor : MICHAEL GERINGER.

Patent Application No. 720/Cal/96 filed on 19.4.96.

(Convention Application No. A838/95 filed on 17.5.95 in AUSTRIA).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

## 4 Claims

A friction lining mixture for use in friction linings, such as herein described, said mixture comprising a metal in fiber or powder form, such as herein described, a filter, such as herein described organic components, such as herein described, and a solid lubricant, all in properties, depending on the nature and usage of the friction linings, to be formed out of the mixture, characterised in that said solid lubricant is selected from at least one bi- or tri-metal sulfide(s) of the formula—



wherein  $M_1$ ,  $M_2$ , and  $M_3$  each represents one metal of the series of Ti, V, Mn, Fe, Cu, Zn, Mo, W, Sb, Sn and Bi, while S denotes sulphur, and

$m$  is in the range 1 to 5,  $n$  is in the range 1 to 5,  $x$  is in the range 0.5 and  $x$  is in the range 2 to 8.

(Compl. Specn. : 12 Pages.

Drngs. Sheets : Nil)

Ind. Cl. : 35 E.

187597

Int. Cl<sup>4</sup> : C 04 B-35/62; 35/65.

#### A PROCESS FOR MANUFACTURING A FUSED CAST REFRACTORY PRODUCT AND AN APPARATUS THEREFOR.

Applicant : MONOFRAX INC., 1870, NEW YORK AVENUE, FALCONER, NEW YORK 14733-1797, UNITED STATES OF AMERICA.

Inventor(s) : 1. JOSEPH D. GAGEL, 2. WILLIAM PARISI & 3. DEAN M. THOMAS.

Patent Application No. 718/Cal/96 filed on 19.4.96.

(Convention Application No. 08/441,901, filed on 17.5.95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

## 14 Claims

A process for manufacturing a fused cast refractory product, said process comprising a series of at least two production campaigns, each campaign comprising at least one batch-wise process, said at least one batch-wise process comprising the steps of : (1) loading a walled crucible of an electric arc furnace with ceramic material known per se, (2) melting the ceramic material by powering the electric arc, (3) treating the melted ceramic material with a beneficiating gas; and (4) pouring the treated melt into one or more molds, each campaign being terminated by causing a substantial amount of the melt to solidify in the crucible, characterised by :

injecting said beneficiating gas upwardly, through the bottom of said crucible, beneath the surface of the melt in a substantially continuous manner throughout each production campaign from atleast one tuyere mounted on the outside of the bottom wall of said crucible and inserted through the bottom of said crucible beneath the surface of the melt thereby continuously stirring the melted ceramic material and whereby power to said electric arc can be maintained during said step of pouring;

wherein said beneficiating gas is selected from the group consisting of oxidizing agents such-as-herein described.

terminating said campaign by removing power to the electrode means of said electric arc furnace, thereby allowing the melted ceramic material to solidify;

removing said tuyere from the bottom of said crucible,

drilling out said tuyere within said crucible and through any solidified ceramic material encompassing said tuyere;

reattaching the removable portion of a new tuyere to the bottom of said outer crucible wall; wherein said steps of terminating, removing, drilling and reattaching are repeated between the campaigns.

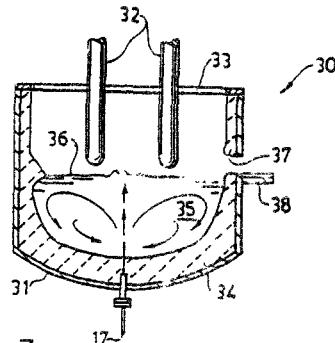


FIG.3

(Compl. Specn. : 28 Pages.

Drng. Sheets : 2)

Ind. Cl. : 32 C.

187598

Int. Cl<sup>4</sup> : C 07 C-41/06; B 01 D-3/14.

#### PROCESS FOR PREPARING ALKYL ETHERS AND MIXTURES THEREOF.

Applicant : NESTE OY., KEILANIEMI, 02150, ESPOO, FINLAND.

Inventor(s) : 1. ESA TAMMINEN & 2. PETRI LINDQVIST.

Patent Application No. 2197/Cal/96 filed on 19.12.96.

(Convention Application No. 956256 filed on 22.12.95 in FINLAND).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

### 12 Claims

Process for preparing an ether or mixed ether product to be used as a component of motor fuels, said product comprising alkyl-t-butyl ether or amyl-t-butyl ether and heavier tertiary alkyl ethers, said process comprising the steps of:

- feeding a feedstock, such as herein described, comprising C<sub>3-7</sub> hydrocarbons, to a catalytic distillation reactor system,
- reacting the C<sub>4-7</sub> isoolefines of the feedstock with an alkanol such as herein described, in the presence of a catalyst, such as herein described, to form tertiary alkyl ethers,
- removing the alkyl ethers from the distillation reactor and substantially all of the unreacted hydrocarbons with the bottoms product of the distillation, and
- withdrawing an overhead product, which mainly contains an azeotrope of C<sub>3</sub> hydrocarbons and the alkanol, the C<sub>3</sub> amount of the withdrawn overhead product corresponding at least essentially to the amount of C<sub>3</sub> hydrocarbons in the feedstock, whereby an essential part of the unreacted alkanol is removed in the form of said azeotrope.

(Compl. Specn. : 19 Pages.

Drgn. 2 Sheets)

Ind. Cl. : 55F.

187599

Int. Cl.<sup>4</sup> : A 61 K-31/12.

### A PROCESS FOR THE PREPARATION OF 4-ARYLBUT-3-EN-2-ONES.

Applicant : HOECHST CELANESE CORPORATION, ROUTE 202-206 NORTH SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor(s) : 1. JOHN R FRITCH, 2. MOHAMMAD ASLAM, 3. DORA E RIOS & 4. JOEL C. SMITH.

Patent Application No. 1448/Cal/98 filed on 13.8.98.

(Convention Application Nos. 08/473603 & 08/629656, filed on 7.6.95 & 9.4.96 respectively in U.S.A.)

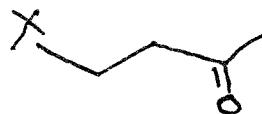
(Divided out of Patent Application No. 925/Cal/96 antedated to 21.5.96).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

### 2 Claims

A process for the preparation of 4-arylbut-3-en-2-ones comprises contacting at a temperature of 100-200°C, a

pressure of 0-1500 psig and a reaction time of 0.166-24 hours a substituted arene, Aryl, a palladium salt, a phosphine ligand compound, and a compound selected from the group consisting of methyl vinyl ketone and 4-substituted 2-butanone derivative, having the following formula :



wherein X is CH<sub>3</sub>SO<sub>3</sub>, or OR, and each R is independently hydrogen, alkyl, aryl, acyl, alkanesulfonyl, arenesulfonyl, carbamoyl, alkoxycarbonyl or aryloxycarbonyl, Ar is substituted or unsubstituted phenyl, napthyl; Y=halogen, N<sub>2</sub>+A; N-nitrogen, Z=BF<sub>4</sub>HSO<sub>4</sub> halide; to produce a 4-arylbut-3-en-2-one.

(Compl. Specn. : 20 Pages.

Drgn. Sheets : Nil)

Ind. Cl. : 55 E2.

187600

Int. Cl.<sup>4</sup> : A 61 K-31/135.

### PROCESS FOR PREPARATION OF $\beta$ -PHENETHYLAMINE DERIVATIVE.

Applicant : TORRENT PHARMACEUTICALS LTD., CENTRAL PLAZA, 1ST FLOOR ROOM-106, 2/6 SARAT BOSE ROAD, KOLKATA-700 020, WEST BENGAL, INDIA.

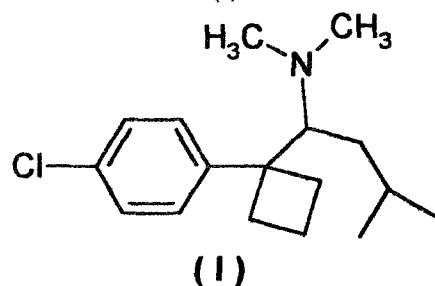
Inventor : VYAS SHARAD KUMAR.

Patent Application No. 612/Cal/2000, filed on 2.11.2000.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

### 8 Claims

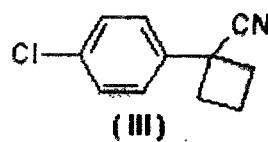
A process for the production of Sibutramine i.e. N-1-[(4-chlorophenyl) cyclobutyl]-3-methylbutyl-N, N-dimethylamine of formula (I) :



(I)

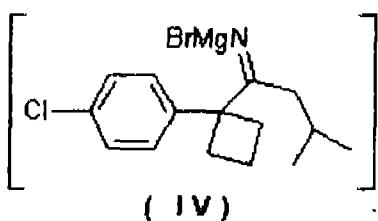
comprising the steps of:

(a) reacting one equivalent of a nitrile, 1-(4-chlorophenyl) cyclobutyl carbonitrile of formula (III).

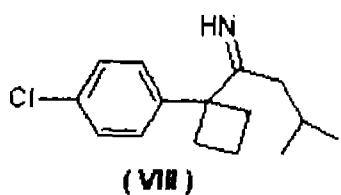


(III)

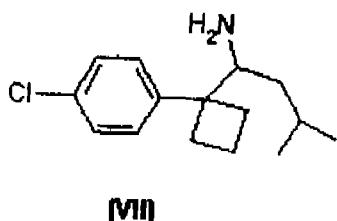
with 2.5 to 3.5 equivalent of a Grignard reagent, namely isobutyl magnesium bromide at 90°C to produce the magnesium complex of formula (IV);



(b) cleaving the magnesium complex of formula (IV) with ammonium hydroxide and ammonium chloride at 0°C to 10°C to form an imine of formula (VIII);



(c) reducing the imine of formula (VIII) by a metal hydride to obtain an amine of formula (VII), and



(d) converting the amine (VII) first to its hydrochloride and then to Sibutramine of formula (I) by Eschweiler Clarke methylation.

(Compl. Specn. : 15 Pages.)

Drgn. Sheet : Nil

Ind. Cl. : 73

187601

Int. Cl.<sup>4</sup> : D 06 C 21/00.

#### A METHOD AND APPARATUS FOR PRODUCING A FABRIC HAVING "EASE" OR "STRETCH".

Applicant & Inventor : DAVID ERIC MORRIS, OF LARKRISE, CRAG WOOD DRIVE, RAWDON, LEEDS LS19 6LC, ENGLAND, A BRITISH CITIZEN.

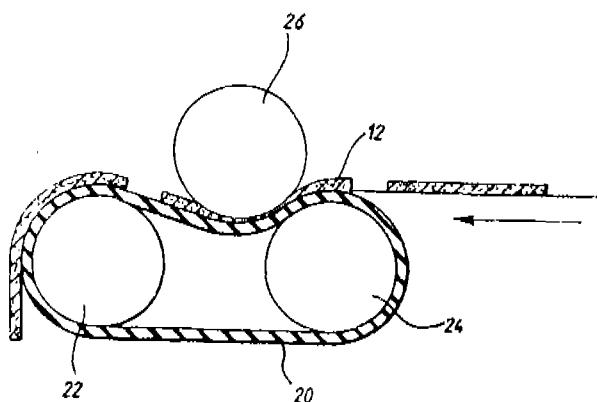
Application No. : 1131/Mas/94 dated November 21, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch.

#### 13 Claims

A method of producing a fabric having "ease" or "stretch", the said method being characterised in the combination of two stages a first stage which includes applying heat and pressure to the fabric so that the yarn strands substantially "across" the width of the fabric are

forced closer together thus imparting generally semi-permanent "ease" or "stretch" into the fabric, and subsequent second stage which includes affixing to the fabric treated according to the first stage of the method a selected interlining and or interlining combination having inherent stretch whereby the semi-permanent "ease" or "stretch" imparted to the fabric during the first state is made substantially permanent during the second stage.



(Compl. Specn. : 14 Pages.)

Drgn. Sheets : 7)

Ind. Cl. : 128-G & 206-E.

187602

Int. Cl.<sup>4</sup> : A 61 B 6/00, H 04 B 01/56 & H 01 R 01/38.

"AN APPARATUS FOR SIMULTANEOUSLY BIDIRECTIONALLY TRANSFERRING DATA BETWEEN A FIRST DEVICE AND A SECOND DEVICE MOUNTED FOR ROTATION WITH RESPECT TO THE FIRST DEVICE"

Applicant : ANALOGIC CORPORATION, OF 8, CENTENNIAL DRIVE, PEABODY, MA 01960, U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF MASSACHUSETTS, U.S.A.

Inventor(s) : (1) BERNARD M. GORDON, (U.S.A.), (2) RICHARD B. JOHNSON, (U.S.A.), (3) JOSEF IZRAILIT, (U.S.A.), (4) HANS WEEDON, (NORWAY) & (5) DOUGLAS ABRAHAM, (U.S.A.).

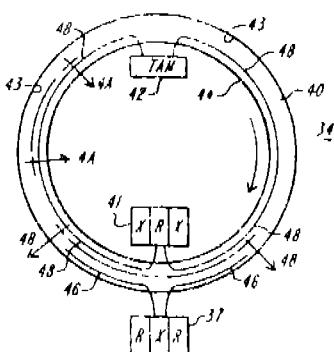
Application No. 1139/Mas/94 dated November 22, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 13 Claims

An apparatus for simultaneously bidirectionally transferring data between a first device and a second device mounted for rotation with respect to the first device, the said apparatus comprising; a first antenna assembly fixed relative to the first device; a second antenna assembly sufficiently disposed around the periphery of and fixed relative to said second device such that said first antenna assembly and said second antenna assembly are in

communicating relationship substantially throughout an entire revolution of said second device, and so that a spatial gap is provided between said first and second antenna assemblies; and data transfer means for simultaneously bidirectionally transferring data between said first and second antenna assemblies as said second device rotates relative to said first device, said data transfer means comprising a transmitter for transmitting data from said first device to said second device through at least one data transmission channel, another transmitter for transmitting data from said second device to said first device through at least one additional transmission channel, and isolating means for isolating said data transmission channels so as to minimize cross talk between said data transmission channels.



by a mounting structure, and the x-ray detector assembly is electrically connected to a data acquisition system (DAS) via at least a signal line and a return line, the DAS having a ground plane defining system ground, the apparatus comprising : an electrically conductive enclosure substantially enclosing the x-ray detector assembly; and means for electrically connecting said electrically conductive enclosure to said ground plane independently of said signal line and said return line.

(Compl. Specn. : 14 Pages.

Drng. Sheets : 3)

Ind. Cl. : 175-D.

187606

Int. Cl.<sup>4</sup> : F 16 H 33/02.

#### "FREE-FLY WHEEL POWER MULTIPLIER".

Applicant & Inventor(s) : OTTAI PALANI EKAMBARAM & EKAMBARAM RAJESAKARAN, RESIDING AT NO. 21, PERIYAR STREET, SANKARANPALAYAM, VELLORE-632001, NORTH ARCOT DISTRICT OF TAMIL NADU STATE, INDIA ARE INDIAN NATIONALS.

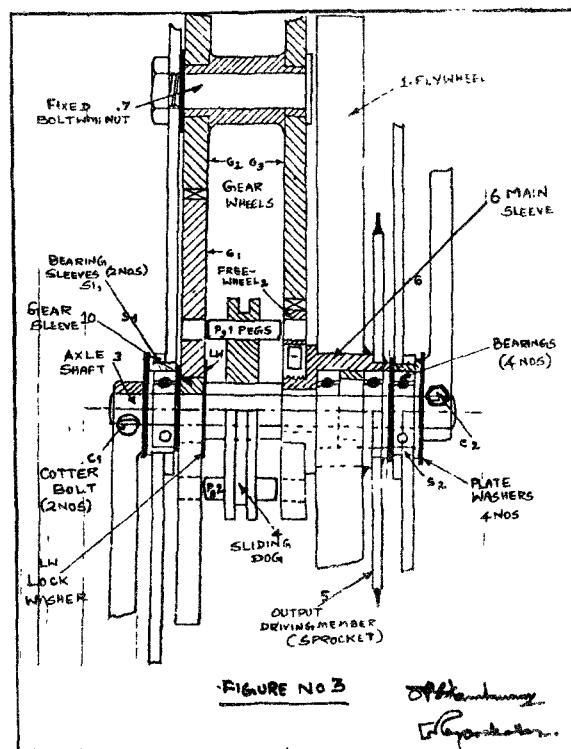
Application No. 1170/Mas/94 dated November 25, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

5 Claims

An Equipment "FREE-FLYWHEEL POWER MULTIPLIER" applicable for man Powered Equipment like Bicycle & Rickshaw, fuel Powered Equipment like Automobiles, Genesets & Turbines consisting of 3 main units and 6 Auxiliary units, namely & Flywheel (Cast or Machined) (1), a Freewheel (2) of different types and an Output Driving Member (5) (Sprocket, Gear or Pulley) all these three units are coupled together over a Main Sleeve (6) with 2 Nos. Bearings (B1 & B2) and with Circular Steps of varying diameter to which Freewheel is coupled to one end, Output Driving Member to the other end and Flywheel is coupled in between the two units on the Main Sleeve thereby these three units are Coupled together to form a Single unit and this Free-Fly-wheel Power multiplier when applied in a Bicycle consists of the following Auxiliary Units like Axle Shaft (3) with external splines, Sliding Dog (4) with Internal Splines and Pegs (Pg1 & Pg2), Gear train (11) with set of Gears, 2 Nos. Bearings (B3 & B4) for supporting the shaft at the ends, 2 Nos. of Pedals (Pd1, Pd2) coupled to the Axle Shaft by Cotter Pin & Nut (CB1 & CB2) and the Input Power supplied to this unit is multiplied by the Mechanical advantages of the Torque which is further

transmitted to the External Drive system by Chain Drive or Gear drive.



(Compl. Specn. : 13 Pages.

Drng. Sheets : 3)

Ind. Cl. : 107-K

187607

Int. Cl.<sup>4</sup> : F 02 B 77/00

#### MECHANISM FOR ACTUATING A DEVICE IN INTERNAL COMBUSTION ENGINE.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, A JAPANESE CORPN., OF 1-1 MINAMI-AOYAMA 2-CHOME, MAINTO-KU, TOKYO, JAPAN.

Inventors : (1) MITSUO KUSA, (JAPAN), (2) MASANORI YOKOYAMA, (JAPAN), (3) KAORU HAYASHI, (JAPAN) & (4) MIKIO SAGARA, (JAPAN).

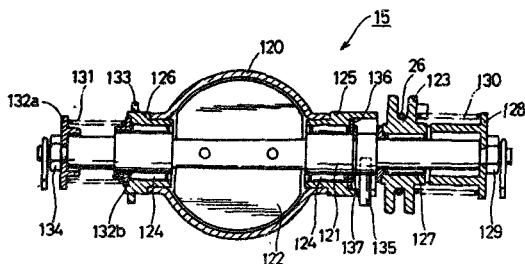
Application No. 1172/MAS/94 dated November 25, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A mechanism for actuating a device in an internal combustion engine having a throttle cable, said mechanism comprising a rotor angularly movable in response to movement of the throttle for actuating the device and lost-motion means for making said rotor idle in a partial stroke of angular movement thereof in actuating the device, wherein said rotor comprises at least one drum rotatably fitted to one end portion of a shaft projecting from a pipe defining a passage therein for passage therethrough of exhaust gases

emitted from the internal combustion engine, said shaft rotatably extend transversely through said pipe perpendicularly to the axis of the pipe, one end of the throttle cable is wound around said drum and said lost-motion means is interposed between said drum and said shaft and comprises a bracket fixed to said one end portion of the shaft projecting from said pipe and a spring disposed under compression between said bracket and said drum.



(Compl. Specn. : 31 Pages

Drgns. : 17 Sheets)

Ind. Cl. : 128-E

187608

Int. Cl.<sup>4</sup> : H 05 G 1/08

G 01 N 23/00

#### A DIRECTOR CONTROL SYSTEM FOR A BEAM OF X-RAY RADIATION.

Applicant : ANALOGIC CORPORATION, OF 8, CENTENNIAL DRIVE, PEABODY, MA 01960, U.S.A., STATE OF INCORPORATION, MASSACHUSETTS.

Inventors : (1) JOHN DOBBS, (U.S.A.) & (2) RUVIN DEYCH, (U.S.A.).

Application No. 1173/MAS/94 dated November 25, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 8 Claims

A direction control system for a beam of X-ray radiation produced at the focal spot of an X-ray source of a tomography system, relative to the detector array of an X-ray detectors of the tomography system so as to compensate for a shift of the focal spot of the source in a direction parallel to the Z-axis of the tomography system so that the beam and the detectors remain aligned with one another said system comprising : a primary collimator positionable between the focal and at least some of the detectors of the array, for defining the direction of said beam; means for detecting a shift of the focal spot in a direction parallel to

the Z-axis and for generating a control signal as a function of the amount of said shift; and means responsive to the control signal for moving the primary collimator so as to maintain the alignment between said beam and said detectors.

(Compl. Specn. : 25 Pages

Drgns. : 6 Sheets)

Ind. Cl. : 128-E

187609

Int. Cl.<sup>4</sup> : H 05 B 1/08

1/64

#### A SYSTEM FOR MEDICAL IMAGING.

Applicant : ANALOGIC CORPORATION, A MASSACHUSETTS CORPORATION, OF 8, CENTENNIAL DRIVE, PEABODY, MA 01960, U.S.A..

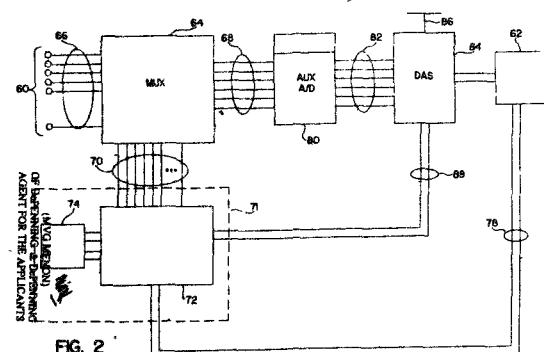
Inventor : HANS WEEDON, (U.S.A.).

Application No. 1174/MAS/94 dated November 25, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 6 Claims

A system for medical imaging comprising : a generating means for generating a plurality of image analog signals representative of image data acquired by said system; a generating means for generating at least one non-image analog signal representative of at least one operating parameter or condition of said system; an analog-to-digital converter means for converting image and non-image digital signals; and a programmable means, responsive to a program signal, for selectively applying select ones of two or more of said analog signals to said analog-to-digital converter means in either one of at least two predetermined modes of operation as a function of said program signal.



(Compl. Specn. : 20 Pages

Drgns. : 5 Sheets)

Ind. Cl. : 128-E

187610

Int. Cl.<sup>4</sup> : H 05 G 1/08

#### AN X-RAY TOMOGRAPHY APPARATUS.

Applicant : ANALOGIC CORPORATION, A MASSACHUSETTS CORPORATION, OF 8, CENTENNIAL DRIVE, PEABODY, MA 01960, U.S.A..

Inventors : (1) JOHN DOBBS, (U.S.A.) & (2) HANS WEEDON, (U.S.A.).

Application No. 1175/MAS/94 dated November 25, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 12 Claims

An X-ray tomography apparatus comprising an X-ray source for generating X-rays during a tomographic scan; an X-ray detection means having a plurality of image data detectors, for detecting the X-rays emitted by said X-ray source and received by said data detectors along predetermined ray paths during a succession of projections of said tomographic scan, and for generating a plurality of image detector signals representative of the X-ray flux detected by said image data detectors during each of said projections; a tomographic scanning means for rotating at least the X-ray source about a scanned object during a tomographic scan; and means for reading said image data detectors in a predetermined sequence for each of said projections; monitor detector means for detecting X-rays generated by said source and received by said monitor detector means, and having means for providing a sequence of monitor measurement signals as a function of the X-ray flux detected by said monitor detector means at predetermined intervals during each of said projections, and a normalizing means for normalizing each of the plurality of image detector signals acquired during each projection as a function of the monitor measurement signal occurring during the interval closest in time to when each said image detector signal is read.

(Compl. Specn. : 25 Pages

Drgns. : 12 Sheets)

Ind. Cl. : 40-B & 140B<sub>2</sub>

187611

Int. Cl.<sup>4</sup> : C 10 G 1/00

#### A PROCESS FOR THE PREPARATION OF FCC CATALYST FOR USE IN PETROLEUM REFINING.

Applicant : 1. INDIAN INSTITUTE OF TECHNOLOGY, IIT P.O., CHENNAI-600 036, TAMIL NADU, INDIA. AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT; AND

2. MADRAS REFINERIES LIMITED, 552, ANNA SALAI, CHENNAI-600 018, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventors : 1. BALASUBRAMANIAN VISWANATHAN, (INDIA), 2 CHANDRASEKHARA PILLAI NARAYANA PILAI, (INDIA). 3. CUNCHALA SUBRAMANYA SWAMY, (INDIA), 4. JOSEPH CHINGAMPARAMPIL KURIACOSE, (INDIA), 5. VENKATAKAMAN SRINIVASAN, (INDIA) & 6. ARUNACHALAM MEENAKSI SUNDARAM, (INDIA).

Application No. 7/Mas/95 dated 3rd January 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 6 Claims

A process for the preparation of FCC catalyst for use in petroleum refining comprising the steps of preparing a 20% to 30% of a binder consisting of a mix of aluminium nitrate or aluminium sulfate solution containing alumina and ethyl silicate containing silica, obtained under vigorous stirring pH of the solution between 2.8 to 3.2; adding 30% to 60% of a clay of kaolinite structure, such as, raw BCK clay to the said solution and stirring the same; finally admixing 20% to 30% CREY clacined rare earth exchanged by zeolite under vigorous stirring to obtain a homogenized slurry; and spray drying the same thereafter.

(Compl. Specn. : 7 Pages.

Drgn. Sheet Nil)

Ind. Cl. : 128-A.

187612

Int. Cl.<sup>4</sup> : A 61 F 5/00.

#### A DEVICE TO PROTECT THE VERTEBRAL COLUMN OF HUMAN-BEING.

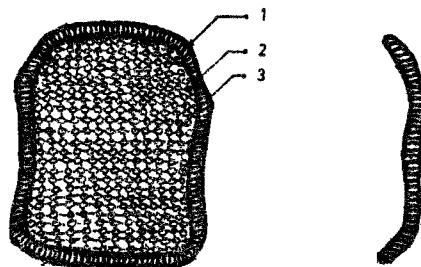
Applicant & Inventor : DEVARAJULU SREEDHARAN, NO. 38, 1ST CROSS, GUPTHA LAY-OUT, ULSOOR, BANALORE-560 008, KARNATAKA, INDIA.

Application No. 39/Mas/95 dated 13th January 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 1 Claim

"A device to protect the vertebral column of human-beings", which basically consists of a Cane frame (1), the peripherals of which are connected by strong flexible plastic wires, forming a mesh or screen (2); the Cane frame carrying a thinner cane beading on the inner face, providing slots to receive the ends of the screen wire; wooden beads (3) made of soft wood or like material; woven and held through nylon threads, which is firmly placed on the wire mesh; which in the assembled condition is ergonomically shaped such that when a person rests against it, there is a harmonious butting between the person's back and the device.



(Compl. Specn. : 7 Pages.

Drgn. Sheet : 1)

Ind. Cl. : 206-E.

187613

2 Claims

Int. Cl.<sup>4</sup> : H 01 L 29/74.**GATE-TURN-OFF SEMICONDUCTOR COMPONENT.**

**Applicant :** ASEA BROWN BOVERI AG., HASELSTRASSE, CH-5400 BADEN, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

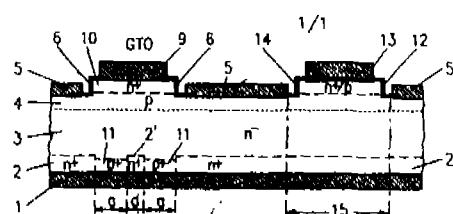
**Inventors :** 1. ANDRE JAECKLIN, (SWITZERLAND), 2. EZATOLLAH RAMEZANI, (SWITZERLAND), 3. PETER ROGGWILLER, (SWITZERLAND), 4. ANDREAS RUEGG, (SWITZERLAND) 5. THOMAS STOCHEMIER, (USA-GERMANY CITIZEN), 6. PETER STREIT, (SWITZERLAND) 7. JURGEN WALIDEYER, (SWITZERLAND).

Application No. 52/Mas/95 dated January 18, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A gate-turn-off semiconductor component with a disk-shaped semiconductor body (a) having at least one GTO thyristor segment of GTO thyristor which exhibits at least one anode segment or an anode, at least one cathode segment or a cathode and at least one gate electrode segment or a gate electrode, wherein (b) at least one cooling segment with a cooling segment metalization is arranged in the edge area of the semiconductor body and (c) an electrical insulation layer is provided underneath this cooling segment metalization.



(Compl. Specn. : 20 Pages.)

Drng. Sheet : 1)

Ind. Cl. : 126-D

187614

Int. Cl.<sup>4</sup> : G 01 L 5/00.**APPARATUS FOR MEASURING THE TEARING STRENGTH OF FIBRES.**

**Applicant :** ZELLWEGER LUWA AG, OF WILSTRASSE 11, CH 8610 USTER, SWITZERLAND, A SWISS COMPANY.

**Inventor :** RENE GLOOR, (SWITZERLAND).

Application No. 53/Mas/95 dated January 18, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

An apparatus for measuring the tearing strength of fibres, especially of textile fibres, comprising (a) gripper jaws (3, 4, 3', 4') between which a single-layer planar fibre tuft (1) is clamped and torn apart in the fibre plane (13) perpendicularly to the fibre direction along two parallel lines (18, 19) having a predetermined clearance; (b) a lighting objective (7) with lighting (8) and an imaging objective (5), the beam path of which is disposed so as to be displaceable perpendicularly to the fibre plane (13) of the gripper jaws (3, 4, 3' 4'); (c) a CCD camera (6), to which the image generated by the imaging objective (5) is fed; (d) a force sensor (16) serving for measuring the tearing force occurring between the gripper jaws (3, 4, 3', 4'); and (e) a computer (20) which is connected to the force sensor and is intended for calculating the tearing strength.

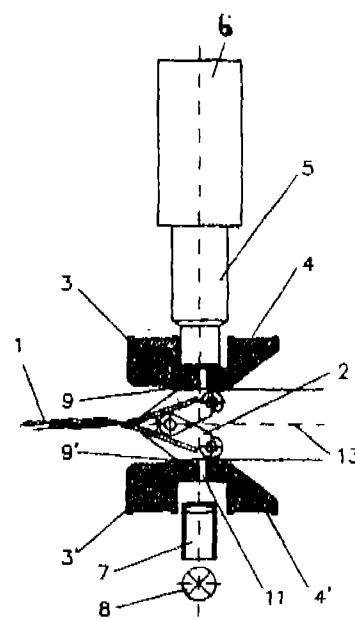


Fig.1

(Compl. Specn. : 10 Pages.)

Drng. Sheets : 4)

Ind. Cl. : 174-G.

187615

Int. Cl.<sup>4</sup> : F 16 F 13/00.**MECHANICAL TYPE OF SHOCK-CUM-VIBRATION ABSORBER.**

**Applicants & Inventors :** (1) CHITTAI PALANI EKAMBARAM & (2) EKAMBARAM RAJASEKARAN, RESIDING AT NO. 11, PERIYAR STREET, SANKARANPALAYAM, VELLORE-632001, NORTH ARCOT DIST., OF TAMIL NADU STATE, INDIA, INDIAN NATIONALS.

Application No. 61/Mas/95 dated January 20, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 5 Claims

A "Mechanical Type of Shock-Cum-Vibration absorber" applicable for Automobiles all mechanical devices subjected to shocks and vibrations consisting of a top circular Hanger Range (1), a bottom stepped circular Spring flange (5), a Steel Stud (3) with threads at both the ends with a Self lock Nut (8), 4 Nos. of helical coiled springs of varying sizes (S1, S2, S3 & S4), 4 Nos. of Steel cylinders of varying sizes (C1, C2, C3 & C4); 4 sets of Plate washers (PW1, PW2, PW3 & PW4) of varying sizes, a Lock Plate washer (4) with external threads all the above components are assembled together to form the Mechanical Type of Shock-Cum-Vibration absorber in which the 4 Nos. of coil springs and Steel cylinders of various sizes are arranged in a Series manner in between a top Circular hanger flange and bottom stepped circular spring flange which is capable of absorbing the road shocks & vibrations caused due to the irregularities on the Road Surface.

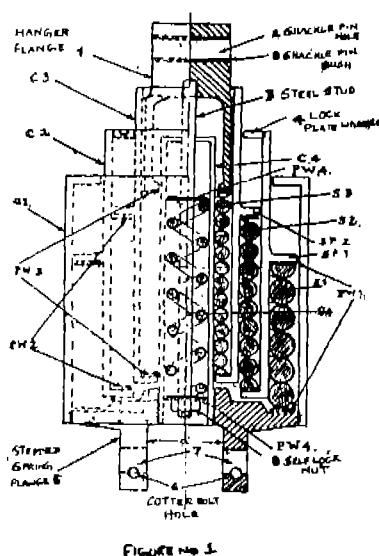


FIGURE NO. 1

(Compl. Specn. : 12 Pages.

Drng. Sheet : 1)

Ind. Cl. : 206-E.

187616

Int. Cl.<sup>4</sup> : H 04 B 7/005.

#### AN APPARATUS FOR LIMITING TRANSMIT POWER OF A RADIO OPERATING IN A CELLULAR ENVIRONMENT.

Applicant : QUALCOMM INCORPORATED, A U.S. COMPANY, 6455 LUSK BOULEVARD, SAN DIEGO, CALIFORNIA 92121, U.S.A.

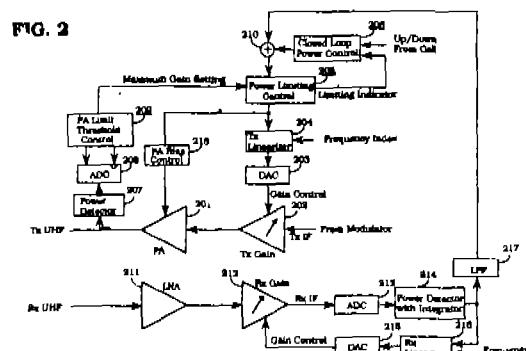
Inventors : (1) ANA L. WEILAND, (U.S.A.), (2) RICHARD K. KORNFELD, (U.S.A.), (3) RICHARD J. KERR, (U.S.A.), (4) JOHN E. MALONEY, (U.S.A.) & (5) NATHANIEL B. WILSON, (U.S.A.).

Application No. 96/Mas/95 dated January 30, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 13 Claims

An apparatus for limiting transmit power of a radio operating in a cellular environment, the cellular environment comprising a plurality of cells that transmit power control commands to the radio, the radio comprising a variable gain amplifier and a power limiting accumulator, the apparatus comprising; a receiver for receiving a signal from at least one of the plurality of cells; measuring means for determining a power value of the signal; control means for determining a closed loop power control value in response to the signal; generating means for generating a limiting gain control setting in response to the closed loop power control value and the power value, the limiting gain control signal being within a predetermined range; combining means for combining the closed loop power control value and the power value and the limiting gain control setting to generate a gain control setting; and means for adjusting the variable gain amplifier in response to the gain control setting.



(Compl. Specn. : 20 Pages.

Drng. Sheets : 9)

Ind. Cl. : 206-E.

187617

Int. Cl.<sup>4</sup> : H 04 B 1/00.

#### AN AUTOMATIC GAIN CONTROL APPARATUS.

Applicant : QUALCOMM INCORPORATED, OF 6455 LUSK BOULEVARD, SAN DIEGO, CALIFORNIA 92121, U.S.A., A DELAWARE CORPORATION.

Inventors : (1) NATHANIEL R. WILSON, (AUSTRALIA) & (2) PETER J. BLACK, (AUSTRALIA).

Application No. 101/Mas/95 dated January 30, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 10 Claims

An automatic gain control apparatus comprising an adjustable gain amplifier, the adjustable gain amplifier having an input port for receiving an input signal, a control port for receiving a gain control signal, and an output port for providing an output signal, the said apparatus comprising; a downconverter coupled to said output port for downconverting frequency of said output signal to a baseband frequency so as to produce a baseband signal, said down converter being operative to map a carrier frequency of said output signal to a baseband frequency



Inventor(s) : 1. UDO BERGMANN, (F.R.G.), 2. GERHARD SCHAFER, (F.R.G.), 3. HEINRICH KOWARSCH, (F.R.G.).

Application No. 150/Mas/96 dated February 08, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 4 Claims

A process for preparing a mixture of chlorinated violanthrone and isoviolanthrone comprising reacting a mixture of violanthrone and isoviolanthrone with chlorine in the presence of a diluent selected from a C<sub>2</sub>—C<sub>4</sub> aliphatic carboxylic acids, a C<sub>2</sub>—C<sub>4</sub> aliphatic halo carboxylic acids and mixtures thereof at a temperature in the range of 60—160°C, optionally in the presence of a halogenation catalyst such as herein described and recovering said chlorinated violanthrone and isoviolanthrone from the reaction mixture by known manner.

(Compl. Specn. : 10 Pages. Drng. Sheet : Nil)

#### CLAIM U/S 20(1) OF THE PATENTS ACT, 1970

The claim made by M/s. KIMBERLY-CLARK WORLDWIDE, INC a US company, of 401 North Lake Street, Neenah, Wisconsin 54956 under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. (187604) 1155/Mas/94 in their name has been allowed.

#### OPPOSITION PROCEEDING U/S. 25(1)

An opposition has been entered by S. Majumder & Co., Kolkata on behalf of Hindustan Lever Limited, Mumbai to the grant of a patent on Application No. 186717 (387/Del/92) dated 05.05.1992 made by the Procter and Gamble Company.

#### OPPOSITIONS PROCEEDINGS

An opposition has been entered by S. Majumder & Co., Kolkata on behalf of Hindustan Lever Limited, Mumbai to the grant of a patent on Application No. 186794 (556/Del/93) dated 28.5.1993 made by Nuchem Limited.

#### CESSATION OF PATENTS

176362 174367 174690 176304 176483 177074 177350  
177683 177491 179437 182758 183273

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that M/s. SYNGENTA LIMITED, a Fernhurst, Haslemere, Surrey, GU27 3JE, England have made an application on Form 13 under Section 57 of the Patents Acts, 1970 for amendment of application for Patent No. 598/Del/91 (187000) for "ANIONIC COMPOUNDS"

The amendments are by way of change of name from "ZENECA LIMITED, a British company of 15 Stanhope Gate, London W1Y 6LN, England to SYNGENTA LIMITED, a Fernhurst, Haslemere, surrey, GU27 3JE, England."

The application and the proposed amendments can be inspected free of charge of Patent Office, W-5, West Patel Nagar, New Delhi-110008 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that M/s. ZENECA LIMITED, a British Company of 15 Stanhope Gate, London W1Y 6LN, England have made an application on Form 13 under Section 57 of the Patents Acts, 1970 for amendment of application for Patent No. 598/Del/91 (187000) for "ANIONIC COMPOUNDS"

The amendments are by way of change of address of the original applicant Zeneca Limited from "ZENECA LIMITED, a British company of Imperial Chemical House, Millbank, London SW1P 3JF, England to ZENECA LIMITED, a British Company of 15 Stanhope Gate, London W1Y 6LN England."

The application and the proposed amendments can be inspected free of charge of Patent Office, W-5, West Patel Nagar, New Delhi-110008 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

#### RENEWAL FEES PAID

183990	176788	180418	183889	180458	184061	173096
173571	173063	173074	173075	184064	176762	179341
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#### PATENT SEALED ON 26.4.2002

186394	186423*D	186437	186516	186517	186518	186519
186520	186527	186528	186529	186530	186543*	186545*
186549*D	186554	186557*	186559*F	186560*D		

KOL-03, DEL-11, MUM-05, CHEN-NIL

\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 17(1) of the Design Act, 2000.

The dates shown in the each entries in the date of registration included in the entries.

**Class 15-03 :** No. 186726. Kartar Agro Industries (P) Ltd., Amloh Road, Bhadson, Distt. Patiala (Pb.), India. "RASPAR WITH AXIAL FLOW SYSTEM ATTACHED WITH THRESHER", 25th September 2001.

**Class 15-03 :** No. 186763. Kartar Agro Industries (P) Ltd., Amloh Road, Bhadson, Distt. Patiala (Pb.), India. "SIVES USED IN PADDY THRESHER", 26th September 2001.

**Class 06-04 :** No. 186775. Ultimate Kitchen & Furniture, Hemprabha Soc., Outhouse, Chittaranjan Road, Ville Parle (E), Mumbai-400057, Maharashtra, India. "KITCHEN CABINET", 28th September 2001.

**Class 03-01 :** No. 186777. Aman Fittings Pvt. Ltd., Shop No. 9, Nakhoda Building, 21/39, Duncan Road, Mumbai-400008, Maharashtra, India, "PANEL OF THE BRIEFCASE", 28th September 2001.

**Class 09-01 :** No. 186901. Shakti Foods, 83 Tungarli Road, Lonawala (W) 410401, Maharashtra, India. "BOTTLE", 9th October 2001.

**Class 15-03 :** No. 186800. Kartar Agro Industries (P) Ltd., Amloh Road, Bhadson, Distt. Patiala (Pb.), India, "THROWER USED IN PADDY THRESHER", 10th October 2001.

**Class 15-03 :** No. 186916. Kartar Agro Industries (P) Ltd., Amloh Road, Bhadson, Distt. Patiala (Pb.), India. "AGRICULTURAL IMPLEMENT", 10th October 2001.

**Class 31-00 :** No. 186946. Anamica Domestic Appliances, 2, Maharani Estate No. 1, Somnath Road, Dabhel, Daman 396210 (U.T.), Gujarat, India. "MIXING GRINDING MACHINE", 12th October 2001.

**Class 31-00 :** No. 186948. Anamica Domestic Appliances, Building No. 2, Maharani Estate No. 1, Somnath Road, Dabhel, Daman 396210 (U.T.), Gujarat, India. "BLENDER", 12th October 2001.

**Class 10-05 :** No. 186949. Surtronics (India) Pvt. Ltd., Kaliandas Udyog Bhavan, Unit No. 147, Near Century Bhavan, Mumbai-400025, Maharashtra, India. "DIGITAL BREATH

"ALCOHOL ANALYSER", 12th October 2001.

**Class 31-00 :** No. 186947. Anamica Domestic Appliances, Building No. 2, Maharani Estate No. 1, Somnath Road, Dabhel, Daman 396210 (U.T.), Gujarat, India. "MIXING MACHINE", 12th October 2001.

**Class 15-01 :** No. 187035. Huntleigh Technology Plc. of 310-312 Dallow Road, Luton, Bedfordshire, LU1, Ltd., U.K. "PUMP CASSING". RECIPROCITY, U.K. 24th April 2001.

**Class 28-02 & 28-03 :** No. 187186. Hindustan Lever Ltd. of Hindustan Lever House 165/166, Backbay Reclamation, Mumbai-400020. "DISPENSING DEVICE" RECIPROCITY, U.K. 11th May 2001.

**Class 13-03 :** No. 186567. Inder Industries of Plot No. 644/19, Agarwal Industrial Estate, Somnath Road, Dabhel, Daman, (Union Territory)-396210, India. "SWITCH". 12th September 2001.

**Class 08-08 :** No. 186997. Mr. Achhar Sing of C-59, Bel-Nagar, Trichy-620015, Tamil Nadu, India. "SCRAP STEEL RE-ROLLING MILL". 17th October 2001.

**Class 09-01 :** No. 187044. M/s. Emami Ltd. of 6A, R.N. Mukherjee Road, Stephen House, Calcutta-700001. "CONTAINER". 19th October 2001.

**Class 09-03 :** No. 187274. Asian Handicrafts of Pandit Nagla Bye Pass Rampur Road, Moradabad Uttar Pradesh. "TUB". 12th November 2001.

**Class 11-02 :** No. 187275. Asian Handicrafts of Pandit Nagla Bye Pass Rampur Road, Moradabad Uttar Pradesh, India. "FLOWER PITCHER". 12th November 2001.

**Class 11-02 :** No. 187276. Asian Handicrafts of Pandit Nagla Bye Pass Rampur Road, Moradabad Uttar Pradesh. "FLOWER POT". 12th November 2001.

**Class 09-03 :** No. 187277. Asian Handicrafts of Pandit Nagla Bye Pass Rampur Road, Moradabad Uttar Pradesh. "CONTAINER" 12th November 2001.

**Class 23-02 :** No. 187344. Ravi Nari Notani, of B/303, Rising Sun Apartments, Juhu Road, Mumbai-400049. "LIQUID SOAP POUCH". 21st November 2001.

**Class 28-03 :** No. 187236. Natraj Enterprises, of B-34, Bomanza Ind, Estate, Ashok Nagar,

- Kandivali (E), Mumbai-400101. "HAIR PIN". 9th November 2001.
- Class 09-01 : No. 187482. Elegant Bottles Pvt. Ltd. of B-1, Madkaim Industrial Estate, Madkaim Post Mardol, Ponda, Goa-403404. "BOTTLE". 5th December 2001.
- Class 13-03 : No. 187578. M/s. V. Guard Industries Ltd. of Little Flower Church Road, Cochin-682017 and corporate Office at Sastha Temple, Kaloor, Cochin-682017, Kerala. "STABILISER CASE". 18th December 2001.
- Class 15-03 : No. 186958. Kartar Agro Industries (P) Ltd., Amloh Road, Bhadson, Distt. Patiala (Pb.), India. "PADDY THRESHER", 15th October 2001.
- Class 28-03 : No. 187169. Crystal Plastics & Metallizing Pvt. Ltd., Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Mumbai-400025, Maharashtra, India. "COMB", 2nd November 2001.
- Class 13-01 : No. 187183. M.K. Enterprises, 339, Andheri Industrial Estate, Veera Desai Road, Andheri (W), Mumbai-400053, Maharashtra, India. "ELECTRICAL MOTOR", 6th November 2001.
- Class 24-04 : No. 187184. Navchetan Orthopaedic Appliances, Opp: S.T. Depot, Club Road, Jamnagar 361005, Maharashtra, India. "DYNAMIC FLEXION EXTENSION SPLINT FOR ELBOW AND KNEE (ORTHOPAEDIC EQUIPMENT)", 6th November 2001.
- Class 09-03 : No. 187185. Shreeji Plastics, B/12, G. Malad Indl, Estate, Co-Op. Soc. Ltd., Ramchandra Lane Ext., Kachpad, Malad (W), Mumbai-400064, Maharashtra, India, "BATHROOM MULTIPURPOSE STAND", 6th November 2001.
- Class 12-11 : No. 187214. Paras Ram Kumawat, Village & P.O. Emdi, District: Rajsamand 313324 (Rajasthan), India. "PETROL SHEET USED IN 2 WHEELER AND 4 WHEELER", 7th November 2001.
- Class 13-03 : No. 187305. M/s. Millborn, C-19, Bhagwan Dass Road, Jaipur 302001, (Rajasthan), India. "FUSE", 15th November 2001.
- Class 08-06 : No. 187345. Shakti Udyog, 1st Floor, Room No. 8, 47/51, Kika Street, Gora Gandhi Building, Mumbai-400004, Maharashtra, India. "HANDLE", 21st November 2001.
- Class 11-01 : No's. 187397, 187405, 187409 to 187418. P.C. Patel & Company, "Shyam", 29-Ranchhod Nagar, Pedak Road, Near Pani Ghoda, Rajkot-360003, Gujarat, India. "RING", 2nd November 2001.
- Class 09-07 : No. 187462. Rustam Jal Doctor, Pressawala Building, 5th Floor, 190, Lamington Road, Mumbai-400007, Maharashtra, India. "SEAL" 4th December 2001.
- Class 13-03 : No. 187485, Elle Electricals Pvt. Ltd., 7, Mehta Industrial Estate, I.B. Patel Road, Goregaon (E), Mumbai-400063, Maharashtra, India. "SOCKET", 5th December 2001.
- Class 07-02 : No. 186132 Dart Industries Inc. of 14901 South Orange Blossom Trail, Orlando, Florida 32837. "FREEZER MATE LERGE", 24th July 2001.
- Class 07-02 : No. 186133. Dart Industries Inc. of 14901 South Orange Blossom Trail, Orlando, Florida, 32837 "CONTAINER FOR SPICE". 24th July 2001.
- Class 07-02 : No. 186134. Dart Industries Inc. of 14901 South Orange Blossom Trail, Orlando, Florida 32837 "SOUP SERVER WITH LADLE". 24th July 2001.
- Class 28-03 : No. 186993/186994 Hindustan Lever Ltd. of Hindustan Lever House, 165/166, Backbay Reclamation, Mumbai-400020. "CAST IN PACK SOAP TABLET" 16th October 2001.
- Class 06-07 : No. 187195, 187196 & 187210. Shri O.P. Garg, of M/s. Garg Plastics, BE-430, Hari Nagar, New Delhi, Indian National. "PICTURE FRAME". 7th November 2001.
- Class 13-03 : No. 187912. Manoj Hansraj Gada, of 7, Mehta Industrial Estate, I.B. Patel Road, Goregaon (E), Mumbai-400063. "COMPUTER JACK". 30th January 2002.
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